

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (currently amended): An isolated DNA molecule comprising a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of SEQ ID NO: 4. ~~having human HDGF2 protein activity, wherein said nucleotide sequence shares at least 70% homology to the nucleotide sequence of nucleotides 121-732 in SEQ ID NO: 3, or said nucleotide sequence can hybridize to the nucleotide sequence of nucleotides 121-732 in SEQ ID NO: 3 under moderate stringency.~~

Claim 2 (currently amended): The DNA molecule of Claim 1 wherein said nucleotide sequence encodes a polypeptide ~~comprising~~ consisting of the amino acid sequence of SEQ ID NO: 4.

Claim 3 (original): The DNA molecule of Claim 1 wherein said nucleotide sequence comprises the nucleotide sequence of nucleotides 121-732 in SEQ ID NO: 3.

Claims 4-5 (canceled)

Claim 6 (original): A vector containing the DNA sequence of Claim 1.

Claim 7 (original): A host cell transformed by the vector of Claim 6.

Claim 8 (currently amended): The host cell of claim 7 ~~wherein it comprises~~ which is E.coli.

Claim 9 (currently amended): The host cell of claim 7 ~~wherein it comprises~~ which is an eukaryotic cell.

Claim 10 (currently amended): A method for producing ~~a method for producing a polypeptide having the activity of~~ HDGF2 protein, which comprises the steps of:

(a) forming an expression vector ~~of HDGF2 protein~~ comprising the nucleotide sequence encoding ~~the polypeptide having the activity of~~ HDGF2 protein comprising the amino acid sequence of SEQ ID NO: 4, wherein said nucleotide sequence is operably linked with an expression regulatory sequences, ~~and said nucleotide sequence shares at least 70% homology to the nucleotide sequence of positions 121-732 in SEQ ID NO: 3;~~

(b) introducing the vector of step (a) into a host cell, thereby forming a recombinant cell of HDGF2 protein;

(c) culturing the recombinant cell of step (b) under the conditions suitable for expression of HDGF2 ~~polypeptides~~ protein;

(d) isolating the ~~polypeptides having the activity of~~ HDGF2 protein.

Claim 11(original): The method of Claim 10 wherein said nucleotide sequence comprises nucleotides 121-732 of SEQ ID NO: 3.

Claim 12 (original): An antibody specifically bound with the HDGF2 polypeptide of Claim 4.

Claim 13 (original): A nucleotide molecule wherein it is the antisense sequence of the DNA molecule of Claim 1.

Claim 14 (original): A probe wherein it comprises about 8-100 consecutive nucleotides of the DNA molecule of Claim 1.

Claim 15 (New) An isolated HDGF2 protein comprising a polypeptide having the amino acid sequence of SEQ ID NO: 4.